Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/20/2018 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126940	1	2.10	126927	2.13
Blue	F	SSC	125000	123785	-1	3.67	124526	3.60
Blue	E	FITC	15492	15081	-3	3.72	349	22.37
Blue	D	PE	28736	28168	-2	2.95	619	16.59
Blue	B	PerCP-Cy5-5	41413	41401	-1	4.64	1132	23.30
Blue	A	PE-Cy7	31321	31842	1	6.98	571	48.12
Red	C	APC	41673	40807	-3	2.94	1579	13.25
Red	A	APC-Cy7	29962	29528	-2	2.88	738	14.04
Violet	B	V450	8318	7921	-5	4.48	441	14.63
Violet	A	V500	34199	33293	-3	4.22	801	11.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20693	4.48	610	-3	N/A	N/A	Pass
Blue	F	SSC	55876	3.10	576	8	N/A	N/A	Pass
Blue	E	FITC	60	74.13	558	-3	0.0154	192	Pass
Blue	D	PE	123	59.67	558	-2	0.1345	332	Pass
Blue	B	PerCP-Cy5-5	209	55.46	665	-2	0.0071	22	Pass
Blue	A	PE-Cy7	111	122.21	721	-1	0.0091	31	Pass
Red	C	APC	362	28.14	599	-2	0.0195	115	Pass
Red	A	APC-Cy7	181	32.06	575	-1	0.0047	1189	Pass
Violet	B	V450	66	71.57	473	-4	0.0472	2779	Pass
Violet	A	V500	114	40.03	491	-3	0.0191	1135	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-32.01	1.15
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.42	13.60 - 20.40	N/A	N/A	29.23	29.60	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9580

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments